

PA-989
ORIGINAL
(Red)

I.D. # 300365

APR 7 1971
16163APPLICATION FOR PERMIT FOR SOLID WASTE
DISPOSAL OR FOR PROCESSING FACILITIES

SEE INSTRUCTIONS ON REVERSE.

1. APPLICANT (Name and Address) Eastern Diversified Metals Corp. P.O. Box 311 (Hometown) Tamaqua, Penna. 18252 Schuylkill County TELEPHONE NUMBER 717-668-3991	2. AUTHORIZED AGENT (Name and Address) John T. Hays, Asst. Plant Mgr. Eastern Diversified Metals Corp. P. O. Box 311 (Hometown) Tamaqua, Penna. 18252 Schuylkill Co. TELEPHONE NUMBER 717-668-3991																																
3. PROPERTY OWNER (Name and Mailing Address) Eastern Diversified Metals Corp. P. O. Box 311 (Hometown) Tamaqua, Penna. 18252	4. TYPE OF OPERATION Industrial Landfill □□																																
6. LOCATION OF SITE <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <tr><th colspan="4">MEASURED FROM SOUTHEAST CORNER</th></tr> <tr><th colspan="2">NORTH</th><th colspan="2">WEST</th></tr> <tr><th>INCHES</th><th>FRAC. IN.</th><th>INCHES</th><th>FRAC. IN.</th></tr> <tr><td>14</td><td>4</td><td>17</td><td>0</td></tr> <tr><th colspan="2">MAP NUMBER</th><th colspan="2">LATITUDE</th></tr> <tr><td>5</td><td>8</td><td>6</td><td>5</td></tr> <tr><td colspan="2"></td><td colspan="2">LONGITUDE</td></tr> <tr><td colspan="2"></td><td colspan="2">40° 49' 45" 75° 59' 54"</td></tr> </table>	MEASURED FROM SOUTHEAST CORNER				NORTH		WEST		INCHES	FRAC. IN.	INCHES	FRAC. IN.	14	4	17	0	MAP NUMBER		LATITUDE		5	8	6	5			LONGITUDE				40° 49' 45" 75° 59' 54"		5. NAME OF SITE Eastern Diversified Metals Corp. Landfill CITY - BOROUGH - TOWNSHIP Rush Township □□□□□ COUNTY Schuylkill County □□□□□ NUMBER OF ACRES 25 □□□□ MAP IDENTIFICATION Tamaqua, 7½ min., 1969 P. R.
MEASURED FROM SOUTHEAST CORNER																																	
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7. SOIL TESTS CONDUCTED BY Frank A. Kopas, Soil Scientist <input checked="" type="checkbox"/> Yes Soil Conservation Service Schuylkill Haven, Penna. <input type="checkbox"/> No DATE <table style="display: inline-table; border-collapse: collapse;"><tr><td>MO</td><td>DA</td><td>YR</td></tr><tr><td>3</td><td>23</td><td>71</td></tr></table> <input type="checkbox"/> N/A	MO	DA	YR	3	23	71	8. ENGINEERING PLANS PREPARED BY <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A DATE <table style="display: inline-table; border-collapse: collapse;"><tr><td>MO</td><td>DA</td><td>YR</td></tr><tr><td> </td><td> </td><td> </td></tr></table>	MO	DA	YR																							
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3	23	71																															
MO	DA	YR																															
9. SOLID WASTE MANAGEMENT PLAN Not part of county plan. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10. APPLICANT/AUTHORIZED AGENT (Signature) <div style="text-align: right;"> <table style="display: inline-table; border-collapse: collapse;"><tr><td>MO</td><td>DA</td><td>YR</td></tr><tr><td>3</td><td>25</td><td>71</td></tr></table> </div>	MO	DA	YR	3	25	71																										
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BONDING COMPANY (Name and Address)	AGENT LICENSE NUMBER BOND VALUE																																

FOR DEPARTMENT OF HEALTH USE ONLY

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MO	DA	YR												
MO	DA	YR												
<input type="checkbox"/> SUITABLE <input type="checkbox"/> UNSUITABLE														

LIMITATIONS AND RESTRICTIONS

REVIEWING OFFICER (Signature)	TITLE	DATE APPROVED <table style="display: inline-table; border-collapse: collapse;"><tr><td>MO</td><td>DA</td><td>YR</td></tr><tr><td> </td><td> </td><td> </td></tr></table>	MO	DA	YR			
MO	DA	YR						

AR101227

4-1-71

SOLID WASTE DISPOSAL AND/OR PROCESSING
SITE APPLICATION MODULE
PHASE IORIGINAL
(Red)

For Department of Health Use Only

PREPARED BY (Name & Address)

Todd Giddings, 623 West Foster Ave., State College, Penna. 16801

PART I - LAND DISPOSAL FACILITY

A. SITE IDENTIFICATION

1. NAME OF SITE Eastern Diversified Metals Corp. Landfill2. ADDRESS OF SITE R. D. 2
Tamaqua, Penna. 18252

3. SITE ACQUISITION (Check Appropriate Block)

☒ PRESENTLY OWNED
☐ WILL PURCHASE☐ WILL LEASE FOR _____ YEARS
☐ WILL RENT4. OWNER OF RECORD (Name & Address) Eastern Diversified Metals Corp.
P. O. Box 311 (Hometown)
Tamaqua, Penna. 18252

B. FACILITY INFORMATION

1. IS THIS AN EXISTING FACILITY?

☒ Yes ☐ No

2. IS THIS A PROPOSED FACILITY?

☐ Yes ☒ No

PART II - GOVERNMENTAL APPROVAL

A. SITE APPROVAL FROM COUNTY AND MUNICIPALITY

1. IF THE SITE WILL BE IN A MINE, HAS THE PROPOSED SITE BEEN APPROVED BY
THE COUNTY IN WHICH THE SITE IS LOCATED?☐ Yes ☐ No2. HAS THE PROPOSED SITE BEEN APPROVED BY THE MUNICIPALITY IN WHICH IT
WILL BE LOCATED?☒ Yes ☐ No

B. REQUIREMENTS

1. ARE THERE ANY CERTIFICATES, PERMITS, OPERATION REQUIREMENTS, OR LICENSES
REQUIRED BY ANY OF THE FOLLOWING:

A. MUNICIPALITY? (If Yes, Describe) _____

☐ Yes ☒ No

B. PLANNING COMMISSION? (If Yes, Describe) _____

☐ Yes ☒ No

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B. REQUIREMENTS - CONTINUED

C. COUNTY? (If Yes, Describe) _____

☐ Yes☒ No

D. STATE DEPARTMENT OF MINES AND MINERALS? (If Yes, Describe) _____

☐ Yes☒ No

E. OTHER? (If Yes, Describe) _____

☐ Yes☒ No

C. ZONING

1. CLASSIFICATION OF SITE Not Zoned2. ENFORCEMENT AGENCY None

3. WILL ZONING OF SITE PERMIT SANITARY LANDFILL?

☐ Yes☐ No4. RESTRICTIONS (If Any) None

5. ADJACENT PROPERTIES WITHIN A QUARTER-MILE (Check Appropriate Blocks Which Indicate The Use Of Adjacent Properties Surrounding The Site)

	North	East	South	West
A. RESIDENTIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
B. COMMERCIAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. LIGHT INDUSTRIAL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. HEAVY INDUSTRIAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. AGRICULTURAL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
F. MIXED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

PART III - SOIL AND GEOLOGICAL CHARACTERISTICS

A. LOCATION - A COPY OF THE USGS TOPOGRAPHIC MAP MUST BE ATTACHED TO EACH COPY OF THE APPLICATION;
USE 7.5 MINUTE QUADRANGLE MAP, IF PUBLISHED.

1. SITE LOCATION (Include The Name Of The USGS Topographic Map, Indication Of 7.5 Or 15.0 Minute Quadrangles, Year Of Publication, Inches North And West Of Southeast Corner, And Latitude And Longitude).

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A. LOCATION - CONTINUED

A. 14.4 INCHES NORTH, 17.0 INCHES WEST OF SOUTHEAST CORNER OF ☒ 7.5'
☐ 15.0'
 QUADRANGLE MAP, (Date) Tamaqua, 1969 P. R., also Delano, 1954

B. 40 DEG, 49 MIN, 45 SEC N LATITUDE

C. 75 DEG, 59 MIN, 54 SEC W LONGITUDE

2. TOPOGRAPHIC SETTING (Hillside, Flood Plain, Strip Mine, Quarry, Field, Etc.) Hillside

3. PLOT ON TOPOGRAPHIC MAP THE FOLLOWING:

A. LOCATION AND EXTENT OF PROPOSED LANDFILL

red line

B. LOCATION OF: (Place the following information on the Topographic Map if it is within the site or within a quarter-mile of the outer perimeter of the site. Check each item placed on map with an (*) or appropriate symbol below.)

(1) WELLS

labelled

(2) SPRINGS

spring symbol

(3) SWAMPS

none

(4) STREAMS

stream symbol

(5) PUBLIC WATER SUPPLIES

none

(6) OTHER BODIES OF WATER

none

(7) UNDERGROUND AND SURFACE MINES

none

(8) MINING SPOIL PILES

none

(9) MINE POOL DISCHARGE POINTS (Even if a discharge point is farther than a quarter-mile from the site)

none

(10) ELEVATION OF MINE POOLS

none

(11) GAS AND OIL WELLS

none

(12) AREAL EXTENT OF MINE POOLS

none

B. SOILS

1. LIST ALL SOIL SERIES AND PHASES WITHIN THE SITE:

A. 69B2, Meckesville channery loam, 3 to 8% slopes, Moderately eroded

B. _____

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
COMMUNITY AND ENVIRONMENTAL SERVICESSOLID WASTE DISPOSAL AND/OR PROCESSING
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B. SOILS - CONTINUED

- C. _____
- D. _____
- E. _____
- F. _____
- G. _____
- H. _____
- I. _____
- J. _____
- K. _____

2. LIST ALL SOIL SERIES AND PHASES TO BE USED AS COVER MATERIAL:

- A. 69B2, Meckesville channery loam, 3 to 8% slopes,
- B. _____ moderately eroded.
- C. Colluvium underlying the Meckesville channery loam.
- D. _____
- E. _____
- F. _____
- G. _____
- H. _____
- I. _____
- J. _____
- K. Soil maps for this area are not yet published.

3. A COPY OF SOIL MAP OR REFERENCES TO SITE LOCATION ON PUBLISHED SOIL SURVEY MUST BE INCLUDED.

C. GROUND WATER GEOLOGY

1. GLACIAL GEOLOGY

- A. TYPE OF DEPOSIT(S) not present

AR101231

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C. GROUND WATER GEOLOGY - CONTINUED

B. TEXTURE OF DEPOSIT(S) Not presentC. THICKNESS OF DEPOSIT(S) Not present

2. BEDROCK

A. TYPE(S) Interbedded shales, siltstones, and sandstonesB. DEPTH TO weathered bedrock: 4 to 7 feetC. EXTENT OF WEATHERING Deeply weatheredD. NAME AND AGE OF FORMATION(S) Mauch Chunk formation, Mississippian

3. STRUCTURE

A. BASIC DESCRIPTION OF STRUCTURE south limb of the Broad Mountain
AnticlineB. STRIKE AND DIP OF BEDS N56°, 7°SWC. DIRECTION OF PLUNGE west-southwest

D. FRACTURES (Strike and Dip, Type, Spacing)

	Strike And Dip	Type	Spacing (State Inches or Feet)	Indicate If Open or Closed
(1) JOINTS	<u>N84°E, 84°NW</u>	<u>irregular</u>	<u>2 to 4 feet</u>	<u>closed</u>
(2) CLEAVAGE	<u></u>	<u></u>	<u></u>	<u></u>
(3) FAULTS	<u></u>	<u></u>	<u></u>	<u></u>

E. FOLDS (MINOR FOLDING)

(1) TYPE: ANTICLINE Broad Mtn. Anticline SYNCLINE(2) STRIKE AND PLUNGE OF FOLD AXIS strike ENE-WSW, plunge WSW

4. GROUND WATER

A. DEPTH TO GROUND WATER 10.15 feet on 3-25-71 (drilled well)(1) HOW DETERMINED measured in drilled well adjacent to site(2) SEASONAL VARIATION estimated to be 15 feet

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C. GROUND WATER GEOLOGY - CONTINUED

- (3) IF DEPTH TO GROUND WATER CANNOT BE DETERMINED, IT IS RECOMMENDED THAT ONE BORING OR WELL NEAR THE HIGHEST ELEVATION OF THE PROPOSED SITE BE DRILLED TO A DEPTH OF 10 FEET INTO THE GROUND WATER OR 10 FEET INTO BEDROCK, WHICHEVER IS DEEPEST (Maximum Depth - 150 Feet).

(A) LOCATE THE WELL OR BORING ON ACCOMPANYING TOPOGRAPHIC MAP. _____

(B) PROVIDE A COMPLETE LOG (Description of Well) _____

(C) INDICATE THE METHOD OF DRILLING _____

B. DIRECTION(S) OF GROUND WATER MOVEMENT south, southwest, and west
(If more than one direction of ground water flow, indicate those directions also.)

C. DISCHARGE OF GROUND WATER (Must be indicated on USGS Topographic Map). springs labelled

(1) DISTANCE AND DIRECTION TO DISCHARGE POINT(S) springs are at south edge of site

(2) NAME(S) OF DISCHARGE POINT(S) unnamed springs and stream tributary to
(Springs, Streams, Etc.) the Little Schuylkill River

(3) AREA TRIBUTARY TO DISCHARGE POINT(S) hillside underlying site

D. HOW WAS INFORMATION DETERMINED? field study of site area and springs on
the site and adjacent to it. Also a water table level was
measured in a well 300 feet north of the site.

5. SURFACE WATER

A. FLOODING HAZARD FREQUENCY IS 0 TIMES IN 100 YEARS.

B. WILL THERE BE A DISCHARGE OF LEACHATE TO SURFACE WATERS?

☐ Yes ☒ No

C. WILL LEACHATE COLLECTION AND TREATMENT FACILITIES BE CONSTRUCTED?

☐ Yes ☒ No

(1) IF YES, HAVE YOU APPLIED FOR A SANITARY WATER BOARD PERMIT FOR
COLLECTION, TREATMENT, AND DISCHARGE OF THE LEACHATE?

☐ Yes ☐ No

6. SUBSURFACE INFORMATION (Detailed information is needed on subsurface conditions for a proper analysis of the site. This information on soils, geology and ground water may be determined from deep cuts, borings, and wells; backhoe pits and natural outcrops; or artificial cuts.)

A. ARE THERE NATURAL OUTCROPS OR ARTIFICIAL CUTS IN THE VICINITY OF THE SITE?
(Road cuts, railroad cuts, strip mines, quarries, etc.)

☒ Yes ☐ No

(1) DEPTH OF CUT OR THICKNESS OF OUTCROP outcrop is 8 feet high

(2) LOCATION OF CUT OR OUTCROP (Show on Topographic Map) labelled; bedrock outcrop

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C. GROUND WATER GEOLOGY - CONTINUED

- (3) REASON FOR OPENING CUT bedrock exposed in the wall of a borrow pit
- (4) DETAILED DESCRIPTION OF CUT OR OUTCROP The bedrock outcrop is exposed in the wall of a borrow pit north of the site. The sandstone and shale is deeply weathered and the joints are filled with clay and sand.
- A 12 foot deep trench was excavated at the site and is labelled "Borrow area." Here a channery loam soil profile was present on colluvium extending to a depth of 7 feet. Sandstone boulders in this colluvium are up to 1 foot in diameter. From 7 to 10 feet weathered red shale sandstone is exposed. From 10 to 12 feet weathered grey to white sandstone is present. This bedrock is well weathered and thus is easily excavated. Below 12 feet less weathered bedrock is present.

B. COMPLETE WHERE INSUFFICIENT INFORMATION IS AVAILABLE TO COMPLETE 6A ABOVE.

HAVE BORINGS OR CUTS BEEN MADE FOR SITE EVALUATION?

☒ Yes ☐ No

(An adequate number of borings or cuts should be made to a depth of 5 feet into the ground water or to bedrock or to 20 feet below the proposed or existing base of the landfill.)

- (1) LOCATE THE CUT(S) OR BORING(S) ON THE ACCOMPANYING TOPOGRAPHIC MAP. labelled: borrow area
- (2) PROVIDE THE COMPLETE LOG(S) (DESCRIPTION) OF THE CUT(S) OR BORING(S). see C-4 above
- (3) INDICATE THE METHOD OF DRILLING OR MAKING CUTS trench cut by a 1/2 yard capacity power shovel

Note: The houses located north of the plant have domestic wells. Other houses and buildings have municipal water.

The soil material thickness at the site varies due to the variation in the thickness of the colluvium overlying the weathered bedrock. Scattered sandstone boulders are present on the ground surface and throughout the colluvium.

The depth to the water table under the site ranges from 1 foot at the springs to 15 feet and more under thick colluvium.

Several seeps of leachate are present at the toes of the industrial waste piles.